

ABSTRACT OF THE DISCLOSURE

There are disclosed an extended key generator, encryption/decryption unit, and storage medium, in which as each of key transform functions, a transform
5 process is done by an S box (substitution table) on the basis of a first key obtained from the inputted key, and an adder computes a corresponding one of extended keys on the basis of a value obtained by shifting the transformed result of the S box to the left, and a
10 second key obtained from the inputted key.

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